



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
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June 9, 1997

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Docket Nos. 50-277 and 50-278

Gentlemen:

Enclosed is the monthly operating report for Peach Bottom Units 2 and 3 for the month of May 1997 forwarded pursuant to Technical Specification 5.6.4 under the guidance of Regulatory Guide 10.1, Revision 4.

Sincerely,

Mark E. Warner
Director, Site Engineering
Peach Bottom Atomic Power Station

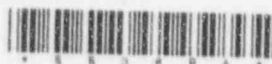
MEW
MEW/MJM:cmc

Enclosures

cc: W. T. Henrick, Public Service Electric & Gas
E. Salowitz, Public Service Electric & Gas
W.P. Domsife, Commonwealth of Pennsylvania
R.I. McLean, State of Maryland
T.T. Martin, Administrator, Region I, USNRC
W.L. Schmidt, USNRC, Senior Resident Inspector
T. M. Messick, Atlantic Electric
A.F. Kirby, III, Delmarva Power & Light
INPO Records Center
T. N. Mitchell, PECO Nuclear, Vice President, Peach Bottom Atomic Power Station

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ccn 97-14036



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PEACH BOTTOM ATOMIC POWER STATION
NRC MONTHLY OPERATIONS SUMMARY
MAY 1997

UNIT 2

Unit 2 began the month at 100% power. On 5/18 a load drop occurred due to Hydraulic Control Unit Maintenance then returned to 100% power on 5/23. Another load drop occurred on 5/30 due to rod pattern adjustments, waterbox cleaning and MSIV stroking then returned to 100% power on 5/31.

Unit 2 Net Generation for May was 790,248 MWH.

UNIT 3

Unit 3 began the month at 100% power. On 5/4 a load drop occurred due to Hydraulic Control Unit Maintenance and returned to 100% power on 5/15. A rod pattern adjustment was performed between 5/27 and 5/28 to improve the thermal limit margins. The Unit ended the month at 96.6% power.

Unit 3 Net Generation for May was 704,228 MWH.

UNIT 2 REFUELING INFORMATION

1. Name of facility:
Peach Bottom Unit 2
2. Scheduled date for next refueling shutdown:
Reload 12 is scheduled for September 15, 1998.
3. Scheduled date for restart following refueling:
Restart following refueling forecast for October 10, 1998.
4. Will refueling or resumption of operation therefore require a technical specification change or other license amendment?
N/A
If answer is yes, what, in general, will these be?
N/A
5. Scheduled date(s) for submitting proposed licensing action and supporting information:
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
(a) Core - 764 Fuel Assemblies
(b) Fuel Pool - 2720 Fuel Assemblies, 52 Fuel Rods

UNIT 2 REFUELING INFORMATION (Continued)

8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:

The spent fuel pool storage capacity has been relicensed for 3819 fuel assemblies.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2002 without full core offload capability.

September 1998 with full core offload capability.

UNIT 3 REFUELING INFORMATION

1. Name of facility:

Peach Bottom Unit 3
2. Scheduled date for next refueling shutdown:

Reload 11 scheduled for October 3, 1997
3. Scheduled date for restart following refueling

Restart following refueling scheduled for November 1, 1997
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Yes.

If answer is yes, what, in general, will these be?

 1. Wide Range Neutron Monitoring Modification 5395.
 2. Large Primary Containment Purge and Vent Isolation Valve Boot Seal Replacement Frequency Change.
 3. ECCS/EDG Shutdown Specification Change.
 4. Exclude MSIV leakage from 0.6 L_a.
5. Scheduled date(s) for submitting proposed licensing action and supporting information:

The first item has been submitted, including the response to an NRC RAI.
The other items are planned to be submitted by May, 1997.
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:

N/A
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) Core - 764 Fuel Assemblies

(b) Fuel Pool - 2485 Fuel Assemblies, 16 Fuel Rods
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:

The spent fuel pool storage capacity has been relicensed for 3819 fuel assemblies.

UNIT 3 REFUELING INFORMATION (Continued)

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present capacity:

September 2003 without full core offload capability.

September 1999 with full core offload capability.

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 277
 UNIT PEACH BOTTOM UNIT 2
 DATE JUNE 5, 1997
 COMPANY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

MONTH MAY, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1126
2	1122
3	1121
4	1126
5	1126
6	1118
7	1122
8	1125
9	1125
10	1126
11	1122
12	1122
13	1126
14	1126
15	1118
16	1122

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1126
18	1014
19	788
20	775
21	773
22	777
23	1026
24	1119
25	1119
26	1120
27	1120
28	1120
29	1116
30	1116
31	851

OPERATING DATA REPORT

DOCKET NO. 50 - 277
 DATE JUNE 5, 1997
 COMPLETED BY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 2
2. REPORTING PERIOD: MAY, 1997
3. LICENSED THERMAL POWER(MWT): 3458
4. NAMEPLATE RATING (GROSS MWE): 1221
5. DESIGN ELECTRICAL RATING (NET MWE): 1119
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
10. REASONS FOR RESTRICTIONS, IF ANY:

NOTES:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	3,623	200,807
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,623.0	134,538.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,623.0	130,400.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,444,203	12,307,486	394,283,066
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	811,600	4,099,400	129,568,990
18. NET ELECTRICAL ENERGY GENERATED (MWH)	790,248	3,997,234	124,463,687

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 277

DATE JUNE 5, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	100.0 %	64.9 %
20. UNIT AVAILABILITY FACTOR	100.0 %	100.0 %	64.9 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	97.2 %	100.9 %	58.6 %
22. UNIT CAPACITY FACTOR (USING DER NET)	94.9 %	98.6 %	57.7 %
23. UNIT FORCED OUTAGE RATE	.0 %	.0 %	11.4 %

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):

25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	FORECAST	ACHIEVED
INITIAL CRITICALITY		09/16/73
INITIAL ELECTRICITY		02/18/74
COMMERCIAL OPERATION		07/05/74

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 277
UNIT NAME PEACH BOTTOM UNIT 2
DATE JUNE 5, 1997
COMPLETED BY PECO ENERGY COMPANY
L. P. HYDRICK
BUSINESS SERVICES
SITE SUPPORT DIVISION
PEACH BOTTOM ATOMIC POWER STATION
TELEPHONE (717) 456-4383

REPORT MONTH MAY, 1997

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
4	970518	S		B	4		RB	CRDRVE	HCU MAINTENANCE (power reduction) Duration shown only for shutdowns
5	970530	S		B	4		HC	XXXXXX	WATER BOX CLEANING, ROD PATTERN ADJUSTMENT, MSIV STROKING (power reduction) duration shown only for shutdown

TOTAL HOURS

(1)
F - FORCED
S - SCHEDULED

(2)
REASON
A - EQUIPMENT FAILURE (EXPLAIN)
B - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATION
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN)
H - OTHER (EXPLAIN)

(3)
METHOD
1 - MANUAL
2 - MANUAL SCRAM
3 - AUTOMATIC SCRAM
4 - OTHER (EXPLAIN)

(4)
EXHIBIT G - INSTRUCTIONS
FOR PREPARATION OF DATA
ENTRY SHEETS FOR LICENSEE
EVENT REPORT (LER)
FILE (NUREG-0161)

(5)
EXHIBIT I - SAME SOURCE

AVERAGE DAILY POWER LEVEL

DOCKET NO. 50 - 278
 UNIT PEACH BOTTOM UNIT 3
 DATE JUNE 5, 1997
 COMPANY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

MONTH MAY, 1997

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

1	1105
2	1101
3	1105
4	937
5	542
6	540
7	523
8	540
9	571
10	530
11	588
12	891
13	1054
14	1102
15	1097
16	1097

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1097
18	1089
19	1085
20	1080
21	1073
22	1068
23	1060
24	1059
25	1051
26	1043
27	1039
28	1068
29	1088
30	1052
31	1068

OPERATING DATA REPORT

DOCKET NO. 50 - 278
 DATE JUNE 5, 1997
 COMPLETED BY PECO ENERGY COMPANY
 L. P. HYDRICK
 BUSINESS SERVICES
 SITE SUPPORT DIVISION
 PEACH BOTTOM ATOMIC POWER STATION
 TELEPHONE (717) 456-4383

OPERATING STATUS

1. UNIT NAME: PEACH BOTTOM UNIT 3
2. REPORTING PERIOD: MAY, 1997
3. LICENSED THERMAL POWER(MWT): 3458
4. NAMEPLATE RATING (GROSS MWE): 1221
5. DESIGN ELECTRICAL RATING (NET MWE): 1119
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1159
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1093
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):
10. REASONS FOR RESTRICTIONS, IF ANY:

NOTES:

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744	3,623	196,703
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3,563.5	133,545.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	744.0	3,551.0	129,986.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	2,224,147	11,519,184	390,521,162
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	726,100	3,785,500	128,103,932
18. NET ELECTRICAL ENERGY GENERATED (MWH)	704,228	3,683,005	123,121,545

OPERATING DATA REPORT (CONTINUED)

DOCKET NO. 50 - 278

DATE JUNE 5, 1997

	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	100.0 %	98.0 %	66.1 %
20. UNIT AVAILABILITY FACTOR	100.0 %	98.0 %	66.1 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	86.6 %	93.0 %	60.1 %
22. UNIT CAPACITY FACTOR (USING DER NET)	84.6 %	90.8 %	58.4 %
23. UNIT FORCED OUTAGE RATE	.0 %	2.0 %	10.3 %

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):

25. IF SHUTDOWN AT THE END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATIONS):	FORECAST	ACHIEVED
INITIAL CRITICALITY		08/07/74
INITIAL ELECTRICITY		11/01/74
COMMERCIAL OPERATION		11/23/74

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 278
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REPORT MONTH MAY, 1997

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
6	970504	S		B	4		RB	CRDRVE	HCU MAINTENANCE (power reduction) durations shown only for shutdowns

TOTAL HOURS

(1)
F - FORCED
S - SCHEDULED

(2)
REASON
A - EQUIPMENT FAILURE (EXPLAIN)
B - MAINTENANCE OR TEST
C - REFUELING
D - REGULATORY RESTRICTION
E - OPERATOR TRAINING + LICENSE EXAMINATION
F - ADMINISTRATIVE
G - OPERATIONAL ERROR (EXPLAIN)
H - OTHER (EXPLAIN)

(3)
METHOD
1 - MANUAL
2 - MANUAL SCRAM
3 - AUTOMATIC SCRAM
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